CLAIMS

We claim:

1. A drive unit comprising

a housing,

a drive shaft mounted for rotation in said housing,

a stator fixed with respect to said housing, said stator having a surface forming the boundary of an air gap,

a rotor coaxial to said stator and in torque-transmitting connection with the drive shaft, said drive shaft causing said rotor to exhibit a wobbling motion which describes a geometric slewing curve, said rotor having a surface forming a boundary of said air gap opposite from said surface of said stator, at least one of said surfaces approximating said geometric slewing curve in a cross section parallel to the drive shaft.

2. A drive unit as in claim 1 wherein said surfaces of said rotor and said stator are essentially parallel to each other in said cross-section parallel to said drive shaft.

3. A drive unit as in claim 1 wherein said geometric slewing curve is a second-order curve.

4. A drive unit as in claim 1 wherein, in a cross-section parallel to said drive shaft, said surfaces comprise straight lines which are slewed with respect to said drive shaft.

5. A drive unit as in claim 1 wherein said stator comprises a stack of plates of mutually different shapes.